

Water-Data Report CA-2005

10287060 LUNDY LAKE NEAR LEE VINING, CA

Mono Lake Basin

LOCATION.--Lat 38°01'56", long 119°13'11" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.16, T.2 N., R.25 E., Mono County, Hydrologic Unit 18090101, near right abutment of spillway of Lundy Lake Dam, on Mill Creek, and 7.6 mi northwest of Lee Vining.

DRAINAGE AREA.--16.3 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1990 to current year. Unpublished records prior to October 1990 available in files of Southern California Edison Co.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Southern California Edison Co.).

REMARKS.--Reservoir is formed on natural lake by rock-fill dam completed in 1910. Usable capacity, 4,113 acre-ft, between elevations 7,766.43 ft, invert of outlet, and 7,807.81 ft, crest of spillway. Figures given represent usable contents. Water is used for power development and irrigation downstream.

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 1390.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,200 acre-ft, July 7, 8, 2005, elevation, 7,808.43 ft; minimum, 327 acre-ft, estimated, Mar. 27, 28, 2002, elevation unknown.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,200 acre-ft, July 7, 8, elevation, 7,808.43 ft; minimum, 830 acre-ft, May 15, elevation, 7,777.77 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by Southern California Edison Co., dated Aug. 17, 1981)

Elevation	Contents	Elevation	Contents	Elevation	Contents
7,766.43	0	7,780	1,027	7,800	3,126
7,770	213	7,790	2,001	7,810	4,406

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,300	1,400	1,650	1,720	1,750	1,460	1,390	1,150	3,560	4,180	4,060	2,620
2	1,300	1,390	1,660	1,710	1,730	1,450	1,380	1,130	3,710	4,180	4,040	2,620
3	1,290	1,410	1,660	1,700	1,720	1,440	1,380	1,120	3,840	4,180	4,020	2,600
4	1,290	1,420	1,660	1,690	1,700	1,430	1,380	1,110	3,950	4,180	3,980	2,570
5	1,300	1,430	1,670	1,720	1,690	1,420	1,380	1,100	4,040	4,190	3,940	2,560
6	1,280	1,450	1,680	1,700	1,680	1,410	1,380	1,100	4,100	4,190	3,900	2,510
7	1,280	1,460	1,680	e1,700	1,670	1,400	1,380	1,090	4,120	4,200	3,870	2,510
8	1,270	1,470	1,700	1,700	1,660	1,390	1,390	1,080	4,130	4,200	3,840	2,460
9	1,270	1,480	1,700	1,680	1,640	1,390	1,390	1,080	4,130	4,190	3,780	2,450
10	1,270	1,490	1,710	1,730	1,640	1,380	1,390	1,080	4,130	4,190	3,750	2,410
11	1,260	1,510	1,710	1,750	1,620	1,380	1,370	1,020	4,140	4,190	3,700	2,390
12	1,260	1,520	1,720	1,760	1,620	1,390	1,360	956	4,160	4,180	3,650	2,370
13	1,260	1,530	1,720	1,750	1,610	1,390	1,330	893	4,170	4,190	3,580	2,400
14	1,250	1,540	1,730	1,760	1,590	1,400	1,310	847	4,180	4,180	3,520	2,390
15	1,250	1,540	1,730	1,760	1,590	1,400	1,300	830	4,180	4,180	3,470	2,400
16	1,260	1,560	1,730	1,760	1,580	1,380	1,280	953	4,170	4,170	3,420	2,390
17	1,270	1,560	1,720	1,750	1,570	1,400	1,280	1,050	4,170	4,150	3,400	2,390
18	1,280	1,570	1,720	1,760	1,560	1,400	1,260	1,190	4,160	4,140	3,390	2,390
19	1,290	1,580	1,710	1,750	1,550	1,410	1,250	1,330	4,160	4,140	3,320	2,390
20	1,300	1,580	1,720	1,750	1,540	1,410	1,240	1,510	4,150	4,140	3,260	2,400
21	1,310	1,590	1,710	1,750	1,540	1,410	1,220	1,680	4,160	4,160	3,200	2,390
22	1,310	1,590	1,710	1,740	1,530	1,430	1,220	1,840	4,160	4,150	3,140	2,380
23	1,320	1,600	1,700	1,750	1,520	1,430	1,200	2,000	4,160	4,130	3,070	2,390
24	1,320	1,600	1,700	1,750	1,510	1,420	1,190	2,170	4,170	4,130	3,000	2,360
25	1,340	1,610	1,700	1,750	1,500	1,420	1,180	2,340	4,170	4,110	2,920	2,370
26	1,350	1,620	1,700	1,750	1,490	1,410	1,170	2,530	4,150	4,100	2,860	2,380
27	1,350	1,640	1,690	1,750	1,480	1,400	1,170	2,750	4,160	4,090	2,790	2,350
28	1,360	1,640	1,690	1,730	1,470	1,400	1,160	2,980	4,170	4,100	2,700	2,370
29	1,370	1,640	1,690	1,750	---	1,400	1,150	3,170	4,170	4,100	2,660	2,370
30	1,380	1,640	e1,700	1,750	---	1,400	1,150	3,290	4,170	4,100	2,650	2,370
31	1,380	---	e1,680	1,750	---	1,390	---	3,400	---	4,090	2,650	---
Max	1,380	1,640	1,730	1,760	1,750	1,460	1,390	3,400	4,180	4,200	4,060	2,620
Min	1,250	1,390	1,650	1,680	1,470	1,380	1,150	830	3,560	4,090	2,650	2,350
Elevation, in feet, at end of month												
	7,783.78	7,786.51	---	7,787.52	7,784.73	7,783.93	7,781.32	7,802.22	7,808.27	7,807.61	7,795.89	7,793.43
Change in contents, in acre-feet												
	+80	+260	+40	+70	-280	-80	-240	+2,250	+770	-80	-1,440	-280

	Calendar Year 2004	Water Year 2005
Max	1,730	4,200
Min	547	830
Change in contents, in acre-feet	+50	+1,070

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